

REMARKS

Reconsideration of the application is respectfully requested. Applicants again thank the Examiner for the telephone interview on May 14, 2002. During the interview the Examiner indicated that by inserting --dynamically-- before "creating" in independent claim 1, by inserting --at runtime-- after "creating" in independent claim 8, and by inserting --at runtime-- after "create" in independent claim 15 would place all of the independent claims in condition for allowance. Applicants have amended the claims in a manner consistent with the issues discussed during the interview and submit that the claim amendments do not narrow the scope of the claims. They merely clarify subject matter already existing in the claims.

Claims 1-6 and 8-20 were rejected under 35 U.S.C. S103(a) over U.S. Patent No. 6,202,072 ("Kuwahara") in view of U.S. Patent No. 6,336,124 ("Alam"). Applicants submit that Kuwahara and Alam alone or in a proper combination do not disclose or suggest every element recited in the claims, and respectfully traverse this rejection of the claims.

Specifically, the Office Action concluded that Kuwahara "fails to explicitly teach (b) creating a first optimized conversion routine ... including one or more computer instructions to be executed.. (c) executing said first optimized conversion routine from said application program." The Office Action then

concluded that "Alam teaches the insertion, and execution of an executable program, such as JAVAscript, into an output document to enable conversion of an input document to the appropriate output document ..." and it would have been obvious to combine the teachings of Kuwahara and Alam et al.

During the interview, the Examiner agreed that Alam teaches generating JAVAscript and thereafter inserting the same generated JAVAscript into multiple output documents. The inserted JAVAscript of Alam is apparently used by a display device to select a display format. The Examiner agreed during the interview that Alam does not teach or suggest dynamically creating at runtime a conversion routine based on a first attribute and a second attribute, as recited in independent claim 1.

Applicants have also amended independent claim 1 by reinserting the language --at runtime-- after "creating". Applicants informed the Examiner during the interview that through an inadvertent error of Applicants' attorney the phrase --at runtime-- was omitted from claim 1 when the response to an Office Action was mailed on December 31, 2001.

Claims 2-7, 9-14 and 16-20 depend from and further limit claims 1, 8 and 15, respectively, and, for at least the reasons stated above claims 1, 8 and 15, are patentable over Kuwahara in view of Alam.

Therefore, it is respectfully submitted that all pending claims are now in condition for allowance. It also submitted that the amendments made herein do not narrow the scope of the pending claims.

This communication is believed to be fully responsive to the Office Action and every effort has been made to place the application in condition for allowance. The claims, in view of the foregoing explanation, are believed to be patentable over the prior art, and a favorable Office Action is hereby earnestly solicited.

If a telephone interview would be of assistance in advancing prosecution of the subject application, Examiner is requested to telephone the number provided below.

Respectfully submitted,

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VERSION WITH CHANGES MARKED-UP

Please amend claims 1, 8 and 15 as follows.

--1. (Trice Amended) A method of converting a plurality of input field types to a plurality of output field types by an application program, said method comprising:

- (a) receiving a first attribute of a first input field type and a second attribute of a first output field type;
- (b) dynamically creating at runtime a first optimized conversion routine based on said first attribute and said second attribute, the conversion routine including one or more computer instructions to be executed during conversion; and
- (c) executing said first optimized conversion routine from said application program to convert said first input field type to said first output field type.

8. (Trice Amended) A method of converting data from input field types to output field types, said method comprising:

- (a) receiving a plurality of input attributes and output attributes from an application program;
- (b) dynamically creating at runtime a plurality of data field conversion routines for each set of input attributes and output attributes, the conversion routines including one or more computer instructions to be executed during conversion; and
- (c) storing said plurality of data field conversion routines in memory accessible to said application program.

15. (Trice Amended) A system for dynamically generating computer data field conversion routines, said system comprising:

a processor; and

a memory device coupled to said processor;

wherein said system is adapted to receive a plurality of input attributes and output attributes from an application program; and

wherein said memory device stores instructions that, when executed by said processor, cause said processor to:

dynamically create at runtime a plurality of data field conversion routines for each set of input attributes and output attributes, the conversion routines including one or more computer instructions to be executed during conversion; and

store said plurality of data field conversion routines in a second memory device accessible to said application program.--